

Master in Artificial Intelligence



Ethical Considerations II





Purpose

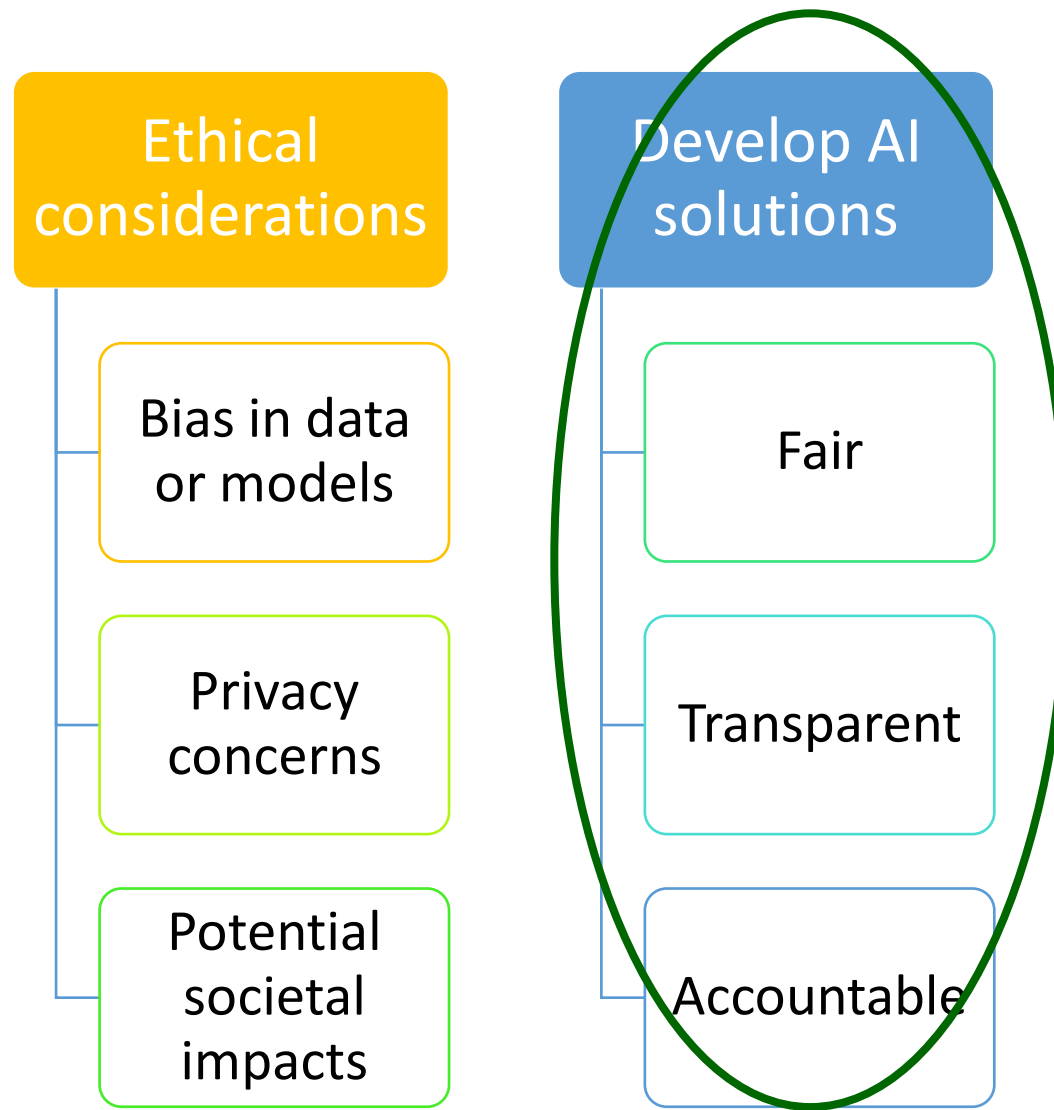
The purpose of the section is to help you learn how to take care of ethical considerations in artificial intelligence and machine learning to become a Successful Artificial Intelligence (AI) Engineer

At the end of this lecture, you will learn the following

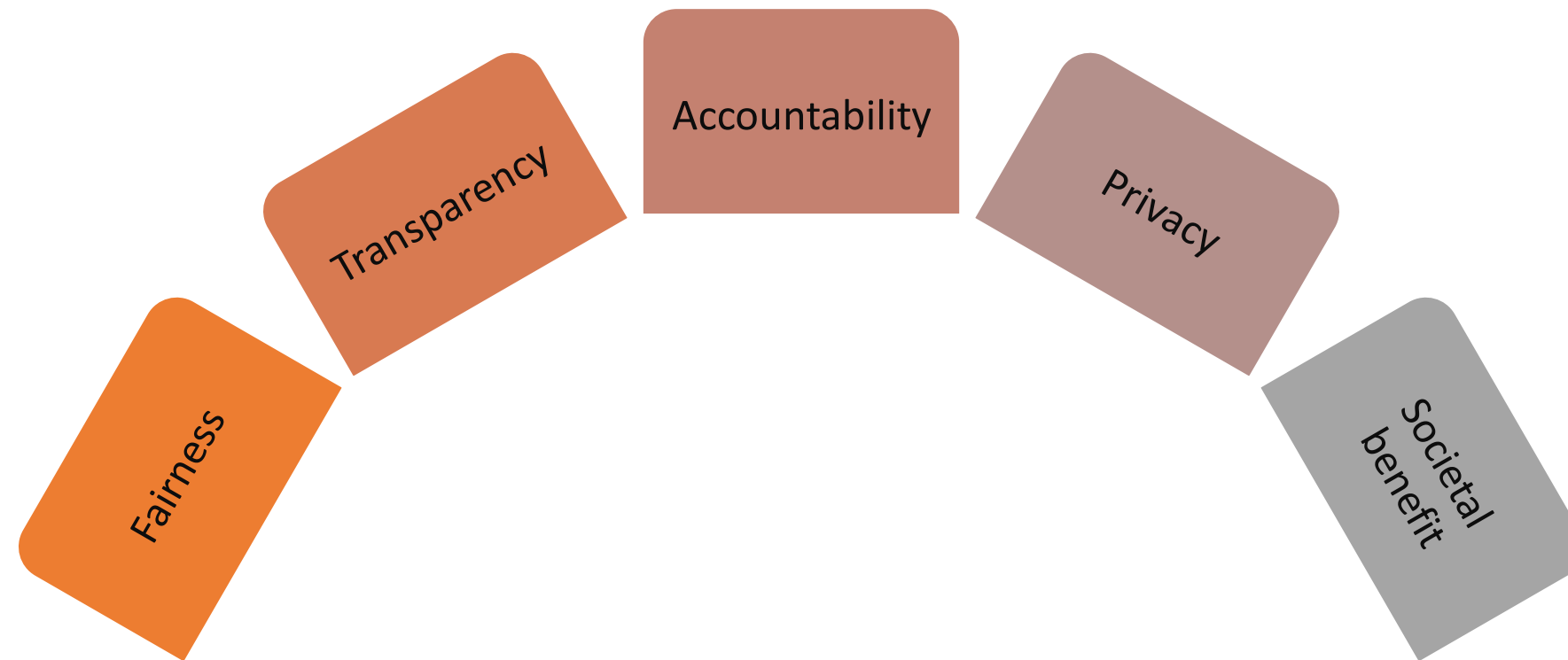
- **How to develop AI solutions that are fair, transparent, and accountable**



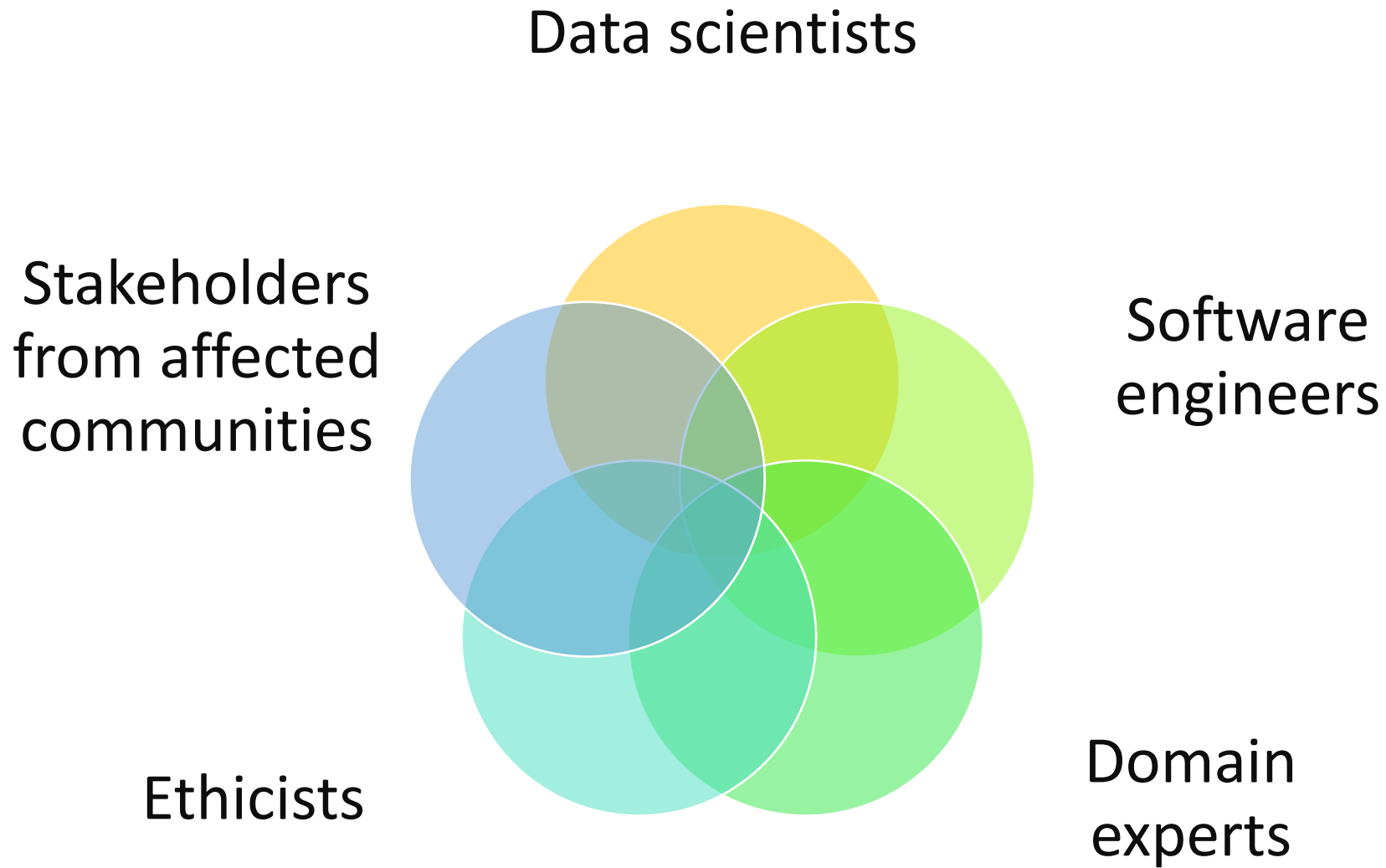
How to develop AI solutions that are fair, transparent, and accountable



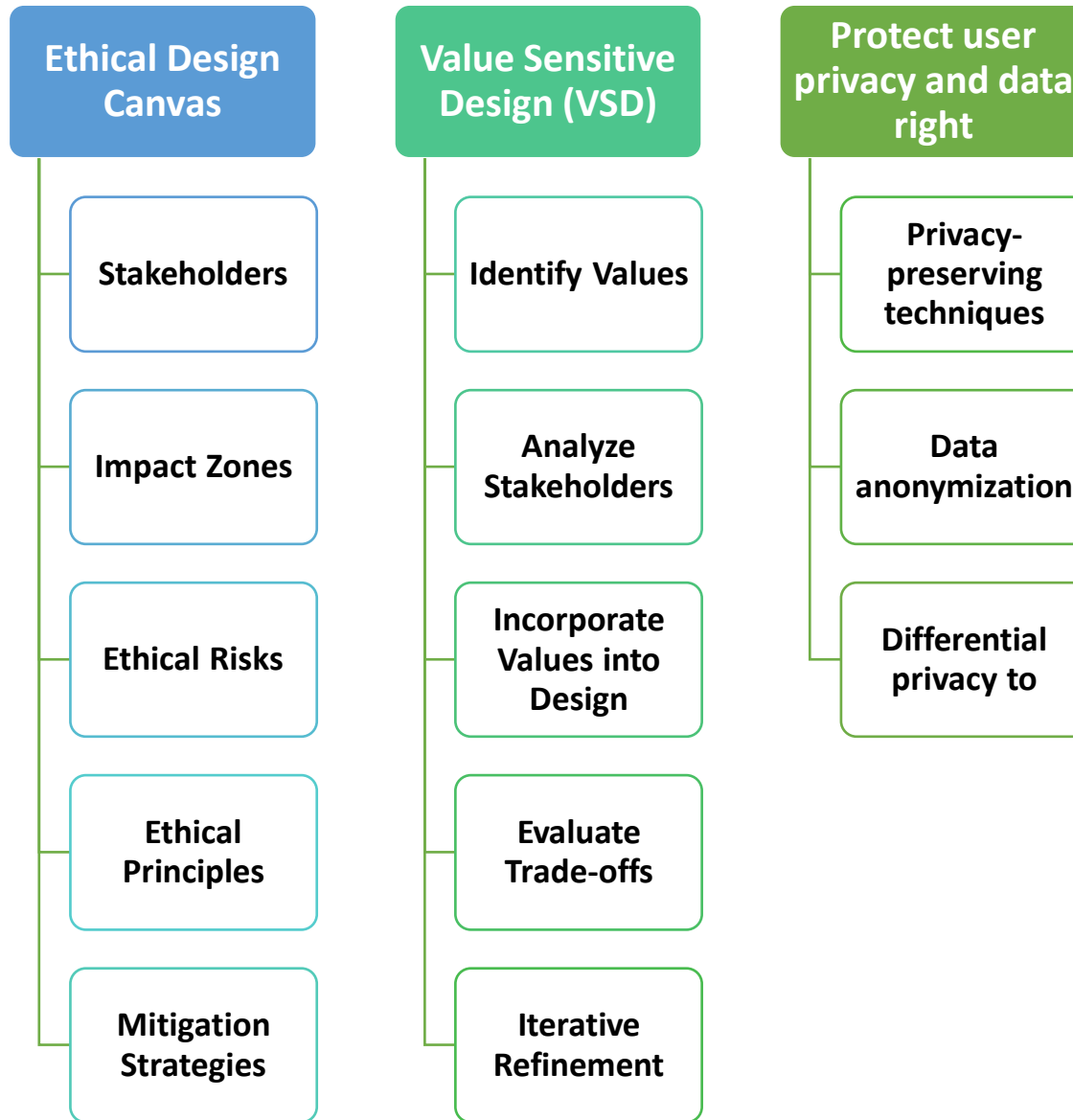
Define Ethical Principles



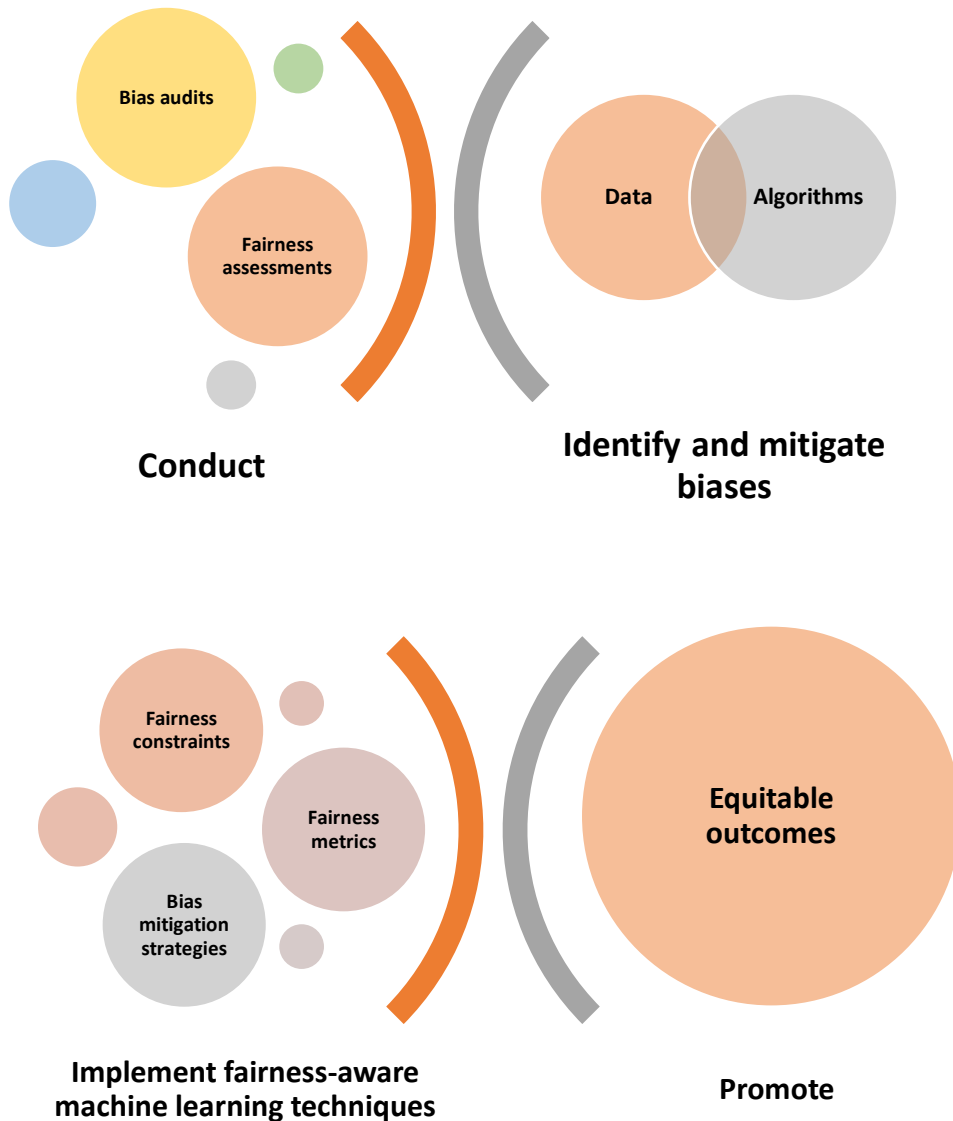
Diverse and Inclusive Teams



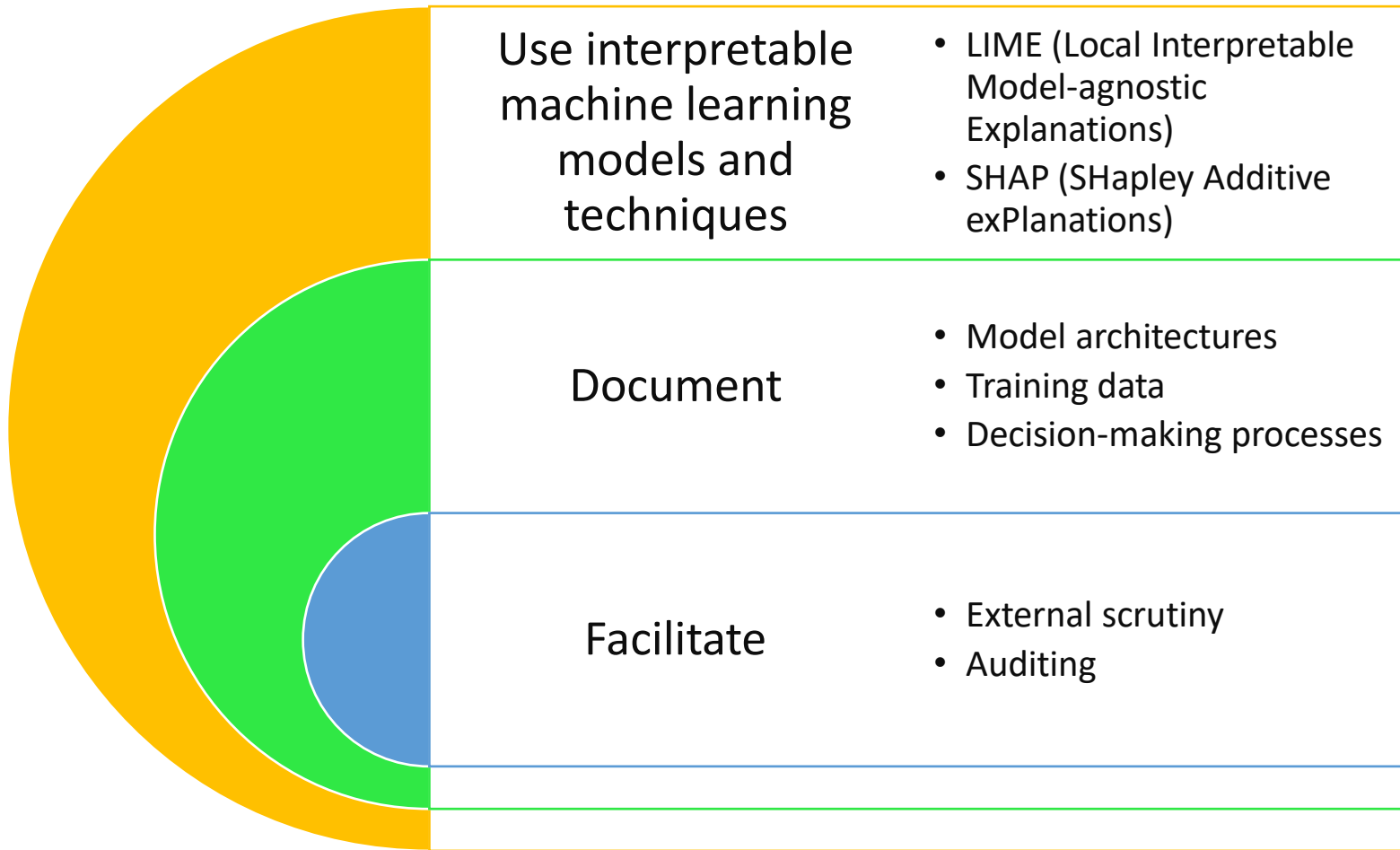
Ethical Design and Development



Fairness and Bias Mitigation



Transparency and Explainability



Accountability and Oversight

Establish mechanisms

For accountability and oversight

Throughout the AI development lifecycle.

Implement governance structures

Such as ethics committees or review boards

To review and assess the ethical implications of AI projects.

Define roles and responsibilities

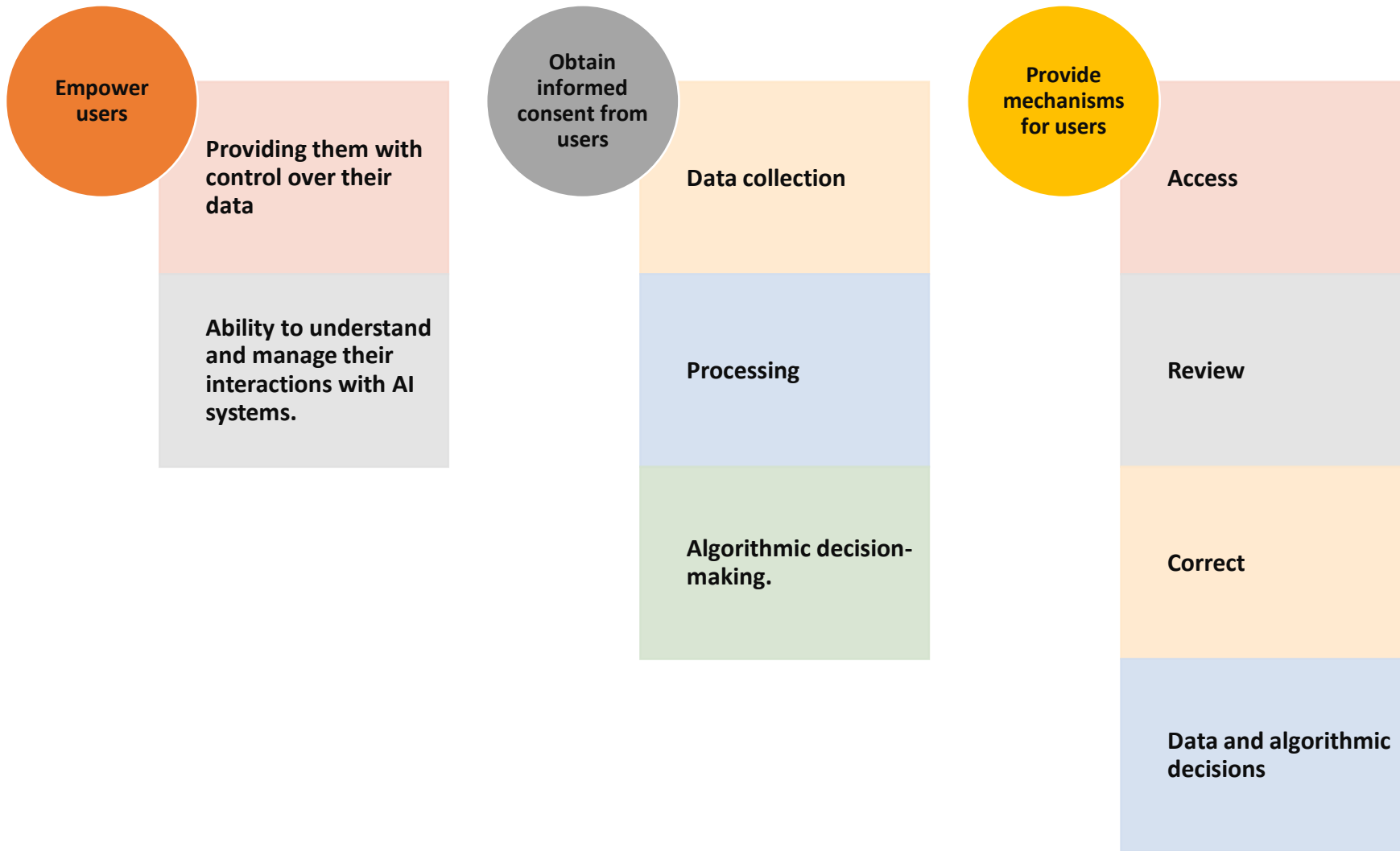
Decision-making

Monitoring

Addressing ethical concerns



User Empowerment and Consent



Continuous Evaluation and Improvement

Continuously
evaluate AI
solutions for

Fairness

Transparency

Accountability
post-
deployment

Solicit feedback
from

Stakeholders
and affected
communities

Identify areas
for
improvement

Address
emerging
ethical issues

Iterate on AI
solutions based
on

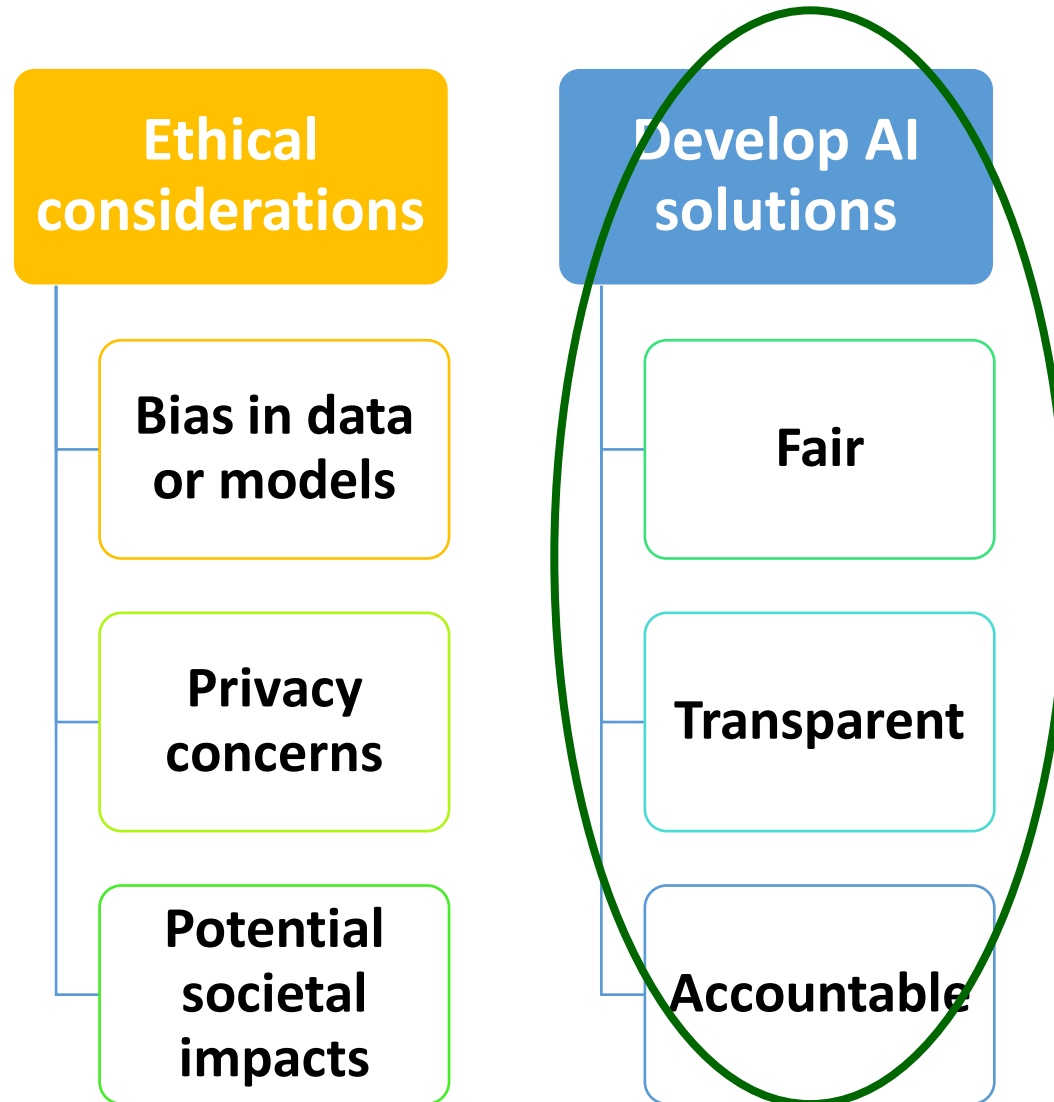
Feedback

New insights

Evolving
ethical
standards

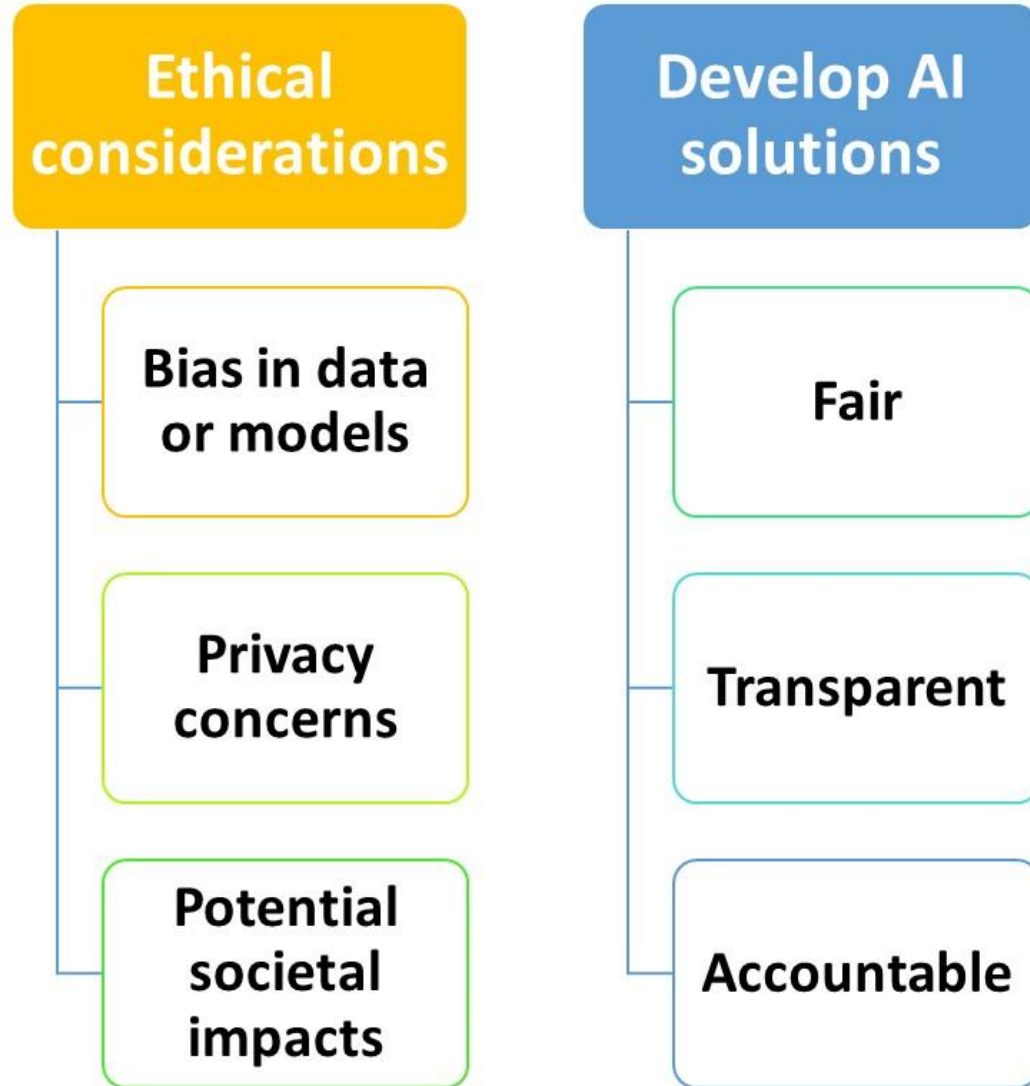


How to develop AI solutions that are fair, transparent, and accountable



What is next?

An example of taking care of ethical considerations in artificial intelligence and machine learning



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*Thank
you*



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